

REPORT

FIRST NATIONAL RENEWABLE ENERGY SUMMIT

SEPTEMBER 2008
LAKE YOJOA, HONDURAS



PLACE: HOTEL BRISAS DEL LAGO, LAKE YOJOA HONDURAS

DATE: September 4 & 5, 2008

OBJECTIVE: To join all the important actors of the renewable sub-sector, private investors and government sector personnel including the Minister of Environment and other related entities of the energy sector, directors and deputies of the National Congress of Honduras; with the objective to propitiate conversation between the groups and to create conscience of the country needs of an Energetic Policy to be oriented to a nation plan and to promote renewable energy projects in all its stages of development.

The meeting was oriented specifically to show the opportunities of the sector, the financial reality of the projects, the social and environmental benefits that encourage to share experiences of success with projects operating in various zones of the country, with the different technologies: biomass, hydropower, wind and solar energy.

A total of 102 people attended this meeting.

The conference was financed by AHPPER with a total of US\$1,706.14 and Tides Foundation with a contribution of US\$3,450.00.

Each technology was represented by experts that made a 20 min. presentation. Following are the main highlights:

1) The Hydropower projects involving the social component and environmental responsibility in all its stages during the construction and operating. A case study was presented in which the company owner of the project applied principles of environmental sustainability and social projection toward the community.

2) There are advancements of Solar Energy in Honduras, considering that the government finds this technology as a viable alternative for the rural and remote areas, which will impulse projects through support with cooperating agencies. Presently this type of renewable energy represents approximately 1.5 MW. Due to legal interpretations these technology cannot access to the fiscal incentives, which are required to develop effectively due to **the** high costs of equipment.

3) In the case of the wind technology, it was explained that even though Honduras posses a very important potential, it has been paralyzed in comparison with the rest of the countries of Central America, due to the lack of government decision in relation with the real price that should be paid for the generation, and an example of this is the case of the eolic project Cerro de Hule of 100 MW located in Santa Anita Cerro de Hule, south part of the country.

4) In biomass, the resources were provided, which can be used to generate electricity. It was demonstrated the case of the Sugar Refinery “Tres Valles”, and its process of transformation starting from the bagasse of cane and also the benefits that affect directly in the national economy.

5) A company of success: “Energía Ecológica de Palcasa (EECOPALSA)” explained their recognitions and qualifications for the CDM through the production of biogas and its later transformation into Electric Energy.

6) In Geothermal it has been foresighted a project of 10 MW in the west zone of the country, which only requires government support to conduct the studies and its respective construction once the potential is studied closely.

7) A representative from the National Energy Company (ENEE) presented the Hydro potential identified in larger scale projects, the history behind the few hydroelectric projects operated by the government and the overall plans to help reverse the energy matrix in the country, which is supplied by over 70% thermal.

8) The Central American Economic Integration Bank (BCIE) presented the strategies to support the Renewable Energy in Central America. It was also showed the funds facilities for its development in the investment stage and execution of the projects.

9) On the other hand and with the purpose to create conscience between the managers of the renewable Energy, a financial expert participated, indicating elements to be considered, models and cash flow besides other concepts, which are important at the moment of investing.

10) The Vice Minister of Energy, Dr. Valerio Gutierrez, presented the vision of the implementation of an energy policy of the country that pretends to be the element that impulse in a harmonic way the development of the nation with the participation of all sectors in the utilization of sustainable alternatives that the country has available.

11) The Minister of Natural Resources and Environment (SERNA), Tomas Vaquero, closed the event by compromising to support the sector, mainly in the processes of licenses and permits.

During the celebration of this meeting on September 05th, a technical visit was done to the installations of the Rio Blanco Hydropower Project, of 5.2 MW, considered a model project in the entire country. This is one of the first projects to be a part of the sale program of Credit Emissions Reduction (CER'S), reducing the emissions of CO2 to the environment.

REPORT OF FIRST NATIONAL RENEWABLE ENERGY SUMMIT

It's also a project with private investment, which involves the participation of the community as shareholders.

ILLUSTRATIONS OF THE EVENT:



Conference Participants from all the sectors.



REPORT OF FIRST NATIONAL RENEWABLE ENERGY SUMMIT

CONFERENCE PROGRAM MORNING SESSION: CASE STUDIES OF OPERATING PROJECTS

9:00- 9:30 a.m.	Greeting words and Presentation of Participants Ing. Xiomara Pinto – AHPPER’s Executive Director
9:30 a.m. – 11:30 a.m.	Development, Construction and OPERATION OF A Hydropower PLANT IN HONDURAS: Ing. Héctor Borjas (Private Developer)
	Diversifying the Energetic Matrix through Biogas: Ing. Héctor Castro-- ECOPALSA
	Wind Potential in Honduras; Regional Perspective: Ing. Jay Gallegos-- MESOAMERICA ENERGY.
	Biomass and its advantages: Ing. Amílcar Bulnes-- TRES VALLES
11:30--11:45 a.m.	Providing Energy to rural zones with Solar Systems: Lic. Loyda Alonso: SOLUZ.
	Innovating with Geothermal Potential: Ing. Cesar Lagos-- GEOPLATANARES
	Social Economic Impact in Renewable Projects: Ing. Mariana Luna-- RIO BLANCO Hydropower.
11:30--11:45 a.m.	Conclusions: Ing. Elsia Paz- AHPPER`s President
11:45 --12:00 p.m.	Questions and Answers
12:00 --1:00 p.m.	Lunch

EVENING SESSION: FINANCIAL REALITY OF RENEWABLE PROJECTS

1:00 -- 1:10 p.m.	Presentation of Participants
1:10 -- 3:00 p.m.	Financial Model of Renewable Projects: Lic. Jorge Esquivel
	CMCP (Short Term Marginal Cost): Ing. Ángel Baide Investment Funds for Projects: BCIE-- Lic. Andres Parra
3:00 – 3:15 p.m.	Coffee Break

VISION OF HONDURAN GOVERNMENT IN THE ENERGY SECTOR

3:15 -4:30 p.m.	Advancements in Energy Policy: Tomas Vaquero –Minister of SERNA
	Government Hydropower Plants: Ing. Carlos Valladares—ENEE
4:30 -- 5:00 p.m.	Questions and Answers: Meeting II & III
6:00 -- 7:30 p.m.	Cocktail

SEPTEMBER 6TH, TECHNICAL VISIT

9:00 a.m.: HYDROELECTRIC PLANT RIO BLANCO (5.2 MW)

REPORT OF FIRST NATIONAL RENEWABLE ENERGY SUMMIT

REPORT OF EXPENSES
1° RENEWABLE ENERGY IN FAVOR OF DEVELOPMENT SUMMIT
HONDURAS
SEPTEMBER 4&5, 2008.

No.	CONCEPT	DETAIL	
		COST \$	TOTAL \$
1	TRANSPORTATION AND FUEL		
	Rental of a Micro Bus	\$151.42	
	Rental of a Micro Bus	\$226.08	
	Fuel	\$31.55	
	Fuel	\$115.66	\$524.71
2	MATERIALS		
	T-Shirts	\$307.38	
	Commemorative Banner	\$67.42	
	Folders	\$338.59	
	Pencils	\$105.99	
	Serigraphics Folders	\$621.83	\$1,441.21
3	FEEDING		
	Feeding to support Staff	\$20.61	
	Breakfast	\$145.74	
	Lunch	\$814.09	
	Coffe Break	\$223.76	
	Cocktail	\$889.88	
	Appreciation Lunch for speakers	\$268.88	\$2,362.96
4	LODGING AND HOTEL SERVICES		
	Participants Lodging	\$1,441.43	
	Rental of Conference Room	\$105.15	\$1,546.58
5	OTHER EXPENSES		
	Tableclothes and flower bouquets	\$73.61	
	Packaging of Appreciation to speakers	\$5.62	
	Cutleries, napkins, cookies & juices	\$39.62	
	Appreciation to speakers	\$61.83	\$180.68
TOTAL COST OF SEMINAR			\$6,056.14

TIDES FOUNDATION Contribution **\$ 4,350.00**

AHPPER's Contribution **\$1,706.14**

CONTROL DE ASISTENCIA
 1° ENCUENTRO NACIONAL PRO DESARROLLO DE ENERGIA RENOVABLE
 SOCIOS
 JUEVES 4 DE SEPTIEMBRE 2008

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REPORT OF FIRST NATIONAL RENEWABLE ENERGY SUMMIT

CONTROL DE ASISTENCIA
1º ENCUENTRO NACIONAL PRO DESARROLLO DE ENERGIA RENOVABLE
INVITADOS ESPECIALES
JUEVES 4 DE SEPTIEMBRE 2008

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CONTROL DE ASISTENCIA
 1º ENCUENTRO NACIONAL PRO DESARROLLO DE ENERGIA RENOVABLE
 INVITADOS ESPECIALES
 JUEVES 4 DE SEPTIEMBRE 2008

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CONTROL DE ASISTENCIA
1º ENCUESTO NACIONAL PRO DESARROLLO DE ENERGIA RENOVABLE
PARTICIPANTES
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